OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
		I SR (Road)	
		To Thanisandra	

I & Final Bill

Work code · 006 · 18 · 000069. Est cost Rs - 15.00 Lakh

M. A. R. 57 (Rule 116) No. B 355309

Measurement Book

Serial No. ..... Improvements to Road And Footpath At Hegadenagara

Name of Work in Ward No. 06 From Byatarayanapura Sub division. To

Name of Contractor of nature of Agency ..... Executive Engineer, K.R.I.D.L.

Date of commencement of work .... 280.59 M Cross Road. 17 M C Main Road 3rd y Block Rajajinagara. Bangalore

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Work order No. - BB MP/EE/BTP/WO/74/2018.19. Dated. 27.07.2018						
	(1) Earthwork excavation by manual means in ordinary soil Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.30 mts excavated trench sides nearly vertical compact as per specification. As Per Rate. 86.92 Pre. Measurement recorded vide Page No. 355366 to 355367 in this MB.				59.19	M^3 5144.79	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(2)	Providing and laying in Position Plain Cement Concrete 1:4:8 Mix with OPC Cement as per 10 mm and down size graded granite metal Coarse aggregate as per Coarse and fine aggregate as per Cum meaning mixed Concrete laid in layers not exceeding 15 cm/strike level Compacted in foundation and Plinth including Curing Complete as per Specification. As Per Pre-Measurement recorded vide Page No.. 355367 to 355368 in this MB. Page. 5159:02					57.38 M3	296024:56

M. A.
Mea

Serial No. .....
Name of Work ..... From
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
(3)	Providing and laying 1:3:6 mix OPC down size graded gran and fine aggregate as per in layers not exceedi and plinth including cu Complete as per Spec 5598.9 As Per Pre. Mea Page. 5598:9 Page No..	35

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
ion Plain Cement Concrete			
t as 180 kg dm 40 mm and			
e Coarse aggregate as 0.89			
Cum measure mixed			
eeding 15 cms such work			
with including Cost Labour			
Specification.			
nt recorded vide			
55 368		in this MB.	
		57.38 M³	
		296024:56	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355310

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(3)	Providing and laying in Position Plain Cement Concrete M Mix 1:3:6 with OPC cement as 220 kg dm 20 mm and down size graded Granite metal Coarse aggregate as per sheet and fine aggregate as 0.56 cum measure mixed Concrete laid in layers not exceeding 15 cms such work Compacted in Beam and Plinth including Cost & all materials Cost of machinery Curing Complete as per Specification. As per Pre-measurment recorded vide Pak:5598:92 Page No.-	355369				15.89 M³ in this MB	88266:83

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(4)	Providing and removing centering shuttering propping etc. and removal of form work for slabs and beams haunches in connection therewith and using not exceeding 1.0 mm in depth including cost of all materials labour complete as per specification						
	As per Pre-measurement Page No. 355370					recorded vide in this MB. 54.00 m²	
	Rate. 271.36 ✓					14653.44	
(5)	Providing and laying in position plain cement concrete 1:2:4 mix M20 using OPC cement @ 320 kg/cum 20mm and down						

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
	size graded granite and fine aggregate as o -mm to IS 9103:1999 R including waterproofing admixture @ 2% by wt. of cement for floor level for roof s reinforcement works including etc. complete as per	2
	Rate. 6371.66	

T BOOK

ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
nsering		Shuttering	
0			
on Plain			
320 kg			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355311

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Size graded granite metal coarse aggregate as 0.478 cum and fine aggregate as 0.459 cum with Leeper plasser as 3.18 Cum-mins to IS 9103-1979 Reinforced cement concrete mixed exceeding three inch average for all works in foundation Plinth and floor level for roof slab staircase chajjas retaining walls return walls including assorted Masonry columns curing etc., Complete as per Specification.	2	30.00	0.30	0.45	8.10 M³	5160.44

Rate - 6371.66

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(6)	Providing TMT Steel reinforcement for RCC Work including straightening cutting bending hooking placing in position cutting and or welding wherever required doing UR binding wire and joining two members wherever necessary complete as per design (Cost hooks and wastage shall not be measured separately) cost of materials labour complete as per specifications.						
	As per pre-measurement recorded vide Page No.. 355370					in Nos MB. 0.81 TON	
	Rate · 64243 : 42						52037 : 17

M. A. R
Meas

Serial No. .....
Name of Work ..... From.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
(7)	Providing and fixing Pr	
	Stones in made out &	
	114 and 165 mm respect	
	finished with CM 1:3 Plast	
	form work curing in cu	
	curves etc complete	
	Indra Canteen Front	2
		2
		2
		2

OOK

Depth 6	Contents 7	Reference to last Measurement 8
ment RA RCC Work le ending hooking placing up Quantum required ng to me as per design mpress as per design d be measured as (all) e as per specifications. f recorded vide in Rly MB. 0.81 TON		52037:17

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355312

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(7)	Providing and fixing Pre cast Solid Cement Concrete kerb Stones in made ups & CC 1:2:4 with Top and bottom width 114 and 165 mm respectively 400 mm high and 450 mm in length finished with CM 1:3 plastered at finishing casting including form work curing including cures etc complete.						
	Indra Canteen Front	2	18.00	-	-	36.00	
		2	30.00	-	-	60.00	
		2	30.00	-	-	60.00	

156

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	30.00	-	-	60.00	
		2	29.20	-	-	58.40	
	Indra Canteen	1	30.00	-	-	30.00	
	C-side	1	21.60	-	-	21.60	
						326.00 Mtr	
				326.00			
	Rate · 331:78			0.45		724.44 Nos	
						240354:70	
(8)	Applying priming coat over new wood surface and a or wood based surface preparing the surface after scraping cleaning oil grease dirt and foreign matter and Painting						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	and pressing readi... Coarse Compose as... Indra Canteen Front
	Indra Can... C-side
	Rate - 43:46

BOOK

ons		Contents	Reference to last Measurement
eadth 5	Depth 6	156 7	8
-	-	60.40	
-	-	58.40	
-	-	30.00	
-	-	21.60	
		326.00 Mtr	
326.00			
0.45		724.44 Nos	
		240354.70	
w Wood Surface and a			
ace Surface after Imaging			
ion Mason and Painting			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355313

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and pouring ready mix Paint including cost & materials						
	Labour Complete as per Specification.						
	Indra Canteen Front						
		2	18.00	-	0.30	10.80	
		2	30.00	-	0.30	18.00	
		2	30.00	-	0.30	18.00	
		2	30.00	-	0.30	18.00	
		2	29.20	-	0.30	17.52	
		1	30.00	-	0.30	9.00	
	Rate - 43.46	1	21.60	-	0.30	6.43	4250.38
						97.80 M²	

Indra Canteen
C-side

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(9) Providing and applying painting two coats (excluding priming coat) on new wood surface and on wood based surface with enamel paint to give an even shade over the surface to fill up the depressions and joints with putty and making smooth including cost of materials complete as per specification Indira canteen frong						
		2	18.00	-	0.30	10.80	
		2	30.00	-	0.30	18.00	
		2	30.00	-	0.30	18.00	
		2	30.00	-	0.30	18.00	
		2	29.20	-	0.30	17.52	
						82.32	

Serial No. .....
Name of Work .....
Name of Contractor of nature of
Date of commencement of work

Date	Full description, etc,
1	2
	Indira Cante
	Rate · 89 :
(10)	Precast Sla reinforced) Concrete to Cost & mate

OOK

Depth 6	Contents 7	Reference to last Measurement 8
	two coats (exceeding	
	and on wood based	
	ne an even surface clean	
	ness mastic sand Rubbing	
	Compose of Rubbing	
0.30	10.80	
0.30	18.00	
0.30	18.00	
0.30	18.00	
0.30	17.52	
	82.37	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355314

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Staircase (Single	1	30.00	-	0.30	9.00	
		1	21.60	-	0.30	6.43	
	Rate · 89:04					97.80 M²	8708:11
(10)	Precast Slab 20 m/m and down size for Slab (including steel reinforced) including carrying and suspending machine mixed Concrete laid in layers not exceeding 15 cms thick well compacted Cost of materials Labour Hire & Necessary Curing Compose						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	As per Specification ce 1:1.5:3 including all cost & necessary Data Base Enclosed) Room under Re Pre cost Slab. ese.. Compleie.						
	Indra Canteen Frent	1	18.00	0.90	-	16.20	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	29.20	0.90	-	26.28	
	Indra Nagara L. grade	1	30.00	0.90	-	27.00	
		1	21.60	0.90	-	19.44	
	Rate - 2100.00					146.70 M²	308070

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
(11)	Providing and l... Underbed Rave... & placing & app... Compressive Str... average sufficient... Compaction free... mesh to come ... Cason Compose... Indra Canteen Fre...

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
		including all cost &	
.90	-	16.20	
90	-	27.00	
90	-	27.00	
90	-	27.00	
.90	-	26.28	
90	-	27.00	
90	-	19.44	
		146.70 M²	308070

M. A. R. 57 (Rule 116)
Measurement Book

No. B 355315

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(11)	Providing and laying heavy duty cobble stones 60mm size interlocked pavers using cement and course sand for making & placing of approved size stones and cover with a minimum compressive strength 328 kg/cm² over 50 mm thick sand bed over rose levels) and compacting with plate vibrator having 3mm compaction force thereby forcing fine sand mixed to come up in between joints finally compaction with 6mm thick. cobbles compacted as per specification 75mm thick.						
	Gnana canteen Front	1	18.00	4.90	-	88.20	

CAFE SW 28/09
Ex. 9. (WO. 2)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	88.720	8
	CFC 29 KW ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26 I st. Main (Hegade Nagara) ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ Rate. 972:00	1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	29.20	0.90	-	26.28	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	30.00	0.90	-	27.00	
		1	6.00	0.90	-	5.40	
						283.00 M	275082

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
(12)	Lead For Disposal of S Mechanical means incl 2.00 KM ese.. complete Clearing Grubbing Uproo Rate. 73:12	8

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ

BOOK

s dth	Depth 6	Contents 88.720.	Reference to last Measurement 8
0	-	27.00	
0	-	27.00	
0	-	27.00	
0	-	26.28	
0	-	27.00	
0	-	27.00	
0	-	27.00	
0	-	5.40	
		283.00 M	275082

M. A. R. 57 (Rule 116)
Measurement Book

No. B

355316

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(12)	Lead For Disposal of debris shall be payable as carriage Rates by mechanical means including loading and unloading from 0.00 to 2.00 KM ese. complete as per Specification. Drawing vide Item No. (1) Rate. 73:12					59.19 M³	4328-00
					Total Rs.		1349199:00 1349230
			Add	10% PRIC Charges Rs.			134923:00
			Add	1% Labour Cess Rs.			13492:00
					Total Rs.		1497611:00 1497645

13/1/18

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate. (1) Certified that the above done Satisfa (2) This bill. Amount has not been claim in any of Previous bill.						

Assistant Executive Engineer
Byatarayanapura Sub-Division
KKIDL, BBMP, Bangalore

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	INDEX Cobble stone Icers and cove	

NT BOOK

nensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
		d that the above done Sabji Se	
		. Amount has not been clim	
		Previous bill.	

ecutive Engineer
pura Sub-Division
ion, Bangalore

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

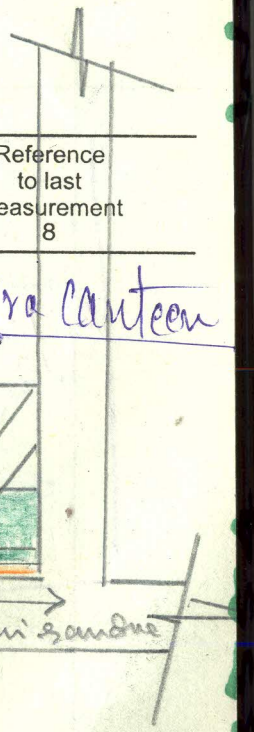
M. A. R. 57 (Rule 116)
Measurement Book

No. B

355317

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	INDEX						
	Cobble Stone						
	Kerb and converging slab.						
	Indira Canteen (Hegadenagara)						
	Yelahanka Hegadenagara Main Road						



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

13/9/2018

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Cont	eference to last asurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total: 14,97,645-00	
						IT- 29953-00	
						CW 14976-00	
						CBF- 1498-00	
						LR- 15126-00	
						FSD- 74882-00	
						Addn. 136435-00	
						Chq. 13,61,210-00	

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 14,97,645-00
ಗಳನ್ನು ಕಾಸ್ತು ಮಾಡಿದೆ: ಇದರಲ್ಲಿ ರೂ 136435-00
ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 13,61,210-00
Rs: Thirteen Lkh Sixty one Thou
Two hundred ten only.
ಮುಂದಾತರ ನೀಡತಕ್ಕದ್ದಾಗಿದೆ

Varney

ಲೆಕ್ಕಾಧಿಕಾರಿ

22/09

22/9

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agen
Date of commencement of work .....

Date	Full description, etc, of work
1	2